

Datasheet for ABIN7138788
anti-MAP3K7 antibody (pThr184)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	MAP3K7
Binding Specificity:	pThr184
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAP3K7 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Peptide sequence around phosphorylation site of threonine 184 (I-Q-T(p)-H-M) derived from Human TAK1.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using

Target Details

Target:	MAP3K7
Alternative Name:	MAP3K7 (MAP3K7 Products)

Target Details

Background: Background: Serine/threonine kinase which acts as an essential component of the MAP kinase signal transduction pathway. Plays an important role in the cascades of cellular responses evoked by changes in the environment. Mediates signal transduction of TRAF6, various cytokines including interleukin-1 (IL-1), transforming growth factor-beta (TGFB), TGFB-related factors like BMP2 and BMP4, toll-like receptors (TLR), tumor necrosis factor receptor CD40 and B-cell receptor (BCR). Ceramides are also able to activate MAP3K7/TAK1. Once activated, acts as an upstream activator of the MKK/JNK signal transduction cascade and the p38 MAPK signal transduction cascade through the phosphorylation and activation of several MAP kinase kinases like MAP2K1/MEK1, MAP2K3/MKK3, MAP2K6/MKK6 and MAP2K7/MKK7.

Aliases: M3K7_HUMAN antibody, MAP3K 7 antibody, Map3k7 antibody, MEKK7 antibody, Mitogen activated protein kinase kinase kinase 7 antibody, Mitogen-activated protein kinase kinase kinase 7 antibody, TAK1 antibody, TGF beta activated kinase 1 antibody, TGF-beta-activated kinase 1 antibody, TGF1a antibody, Transforming growth factor beta activated kinase 1 antibody, Transforming growth factor-beta-activated kinase 1 antibody

UniProt: [O43318](#)

Pathways: [NF-kappaB Signaling](#), [TCR Signaling](#), [TLR Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [Activation of Innate immune Response](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [Tube Formation](#), [Toll-Like Receptors Cascades](#), [BCR Signaling](#), [Ubiquitin Proteasome Pathway](#)

Application Details

Application Notes: WB:1:500-1:3000,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

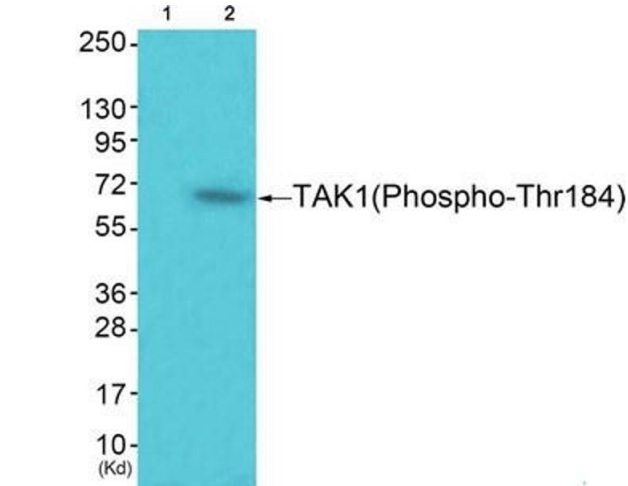
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

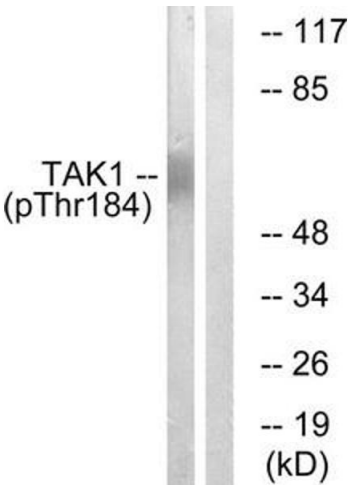
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Western Blotting

Image 1. Western blot analysis of extracts from 293 cells (Lane 2), using TAK1 (Phospho-Thr184) Antibody. The lane on the left is treated with synthesized peptide.



Western Blotting

Image 2. Western blot analysis of extracts from HepG2 cells, treated with TNF (20 ng/mL, 5 mins), using TAK1 (Phospho-Thr184) antibody. The lane on the right is treated with the synthesized peptide.